



Home Office: Great Bend, Kansas  
P. O. Box 793 (316) 793-7903

5145-20W

Company A. L. Abercrombie Inc. Lease & Well No. Gabel #2

Elevation 2214 Kelly Bushings Formation Sand Effective Pay \_\_\_\_\_ Ft. Ticket No. 13763

Date 2-25-71 Sec. 5 Twp. 14S Range 20W County Ellis State Kansas

Test Approved by Jack K. Wharton Western Representative Dean Blagrave

Formation Test No. 1 O.K. ☒ Misrun \_\_\_\_\_ Interval Tested From 3830' to 3860' Total Depth 3860'

Size Main Hole 7 7/8" Rat Hole \_\_\_\_\_ Conv. ☒ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes ☒ No Conv. \_\_\_\_\_ B.T. ☒ Damaged \_\_\_\_\_ Yes ☒ No

Packer Depth 3825 Ft. Size 6 3/4" Packer Depth 3830 Ft. Size 6 3/4"

Straddle \_\_\_\_\_ Yes \_\_\_\_\_ No ☒ Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No

Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 30 Ft. Size 5 1/2" O.D.

| RECORDERS                                               | Depth | Ft. | Clock No. | Inside         | Depth                                                      | Ft. | Clock No. | Inside         |
|---------------------------------------------------------|-------|-----|-----------|----------------|------------------------------------------------------------|-----|-----------|----------------|
| Top Make <u>Kuster</u> Cap. <u>4000</u> No. <u>3659</u> |       |     |           | <u>Outside</u> | Bottom Make <u>Kuster</u> Cap. <u>4000</u> No. <u>3660</u> |     |           | <u>Outside</u> |
| Below Straddle: Depth _____ Clock No. _____             |       |     |           | <u>Inside</u>  | Depth _____ Ft. Clock No. _____                            |     |           | <u>Inside</u>  |
| Top Make _____ Cap. _____ No. _____                     |       |     |           | <u>Outside</u> | Bottom Make _____ Cap. _____ No. _____                     |     |           | <u>Outside</u> |

Time Set Packer 4:48 PM

Tool Open I.F.P. From 4:49 M. to 4:53P. Hr. 4 Min. From (B) 50 P.S.I. To (C) 132 P.S.I.

Tool Closed I.C.I.P. From 4:53 M. to 5:23P. Hr. 30 Min. (D) 1242 P.S.I.

Tool Open F.F.P. From 5:23 M. to 6:23P. Hr. 1 Min. From (E) 156 P.S.I. To (F) 971 P.S.I.

Tool Closed F.C.I.P. From 6:23 M. to 6:53P. Hr. 30 Min. (G) 1162 P.S.I.

Initial Hydrostatic Pressure (A) 2068 P.S.I. Final Hydrostatic Pressure (H) 895 2041 P.S.I.

| SURFACE     | Size Choke | In. | Max. Press. P.S.I. | Time | Description of Flow |
|-------------|------------|-----|--------------------|------|---------------------|
| INFORMATION |            |     |                    | M.   |                     |
|             |            |     |                    | M.   |                     |
|             |            |     |                    | M.   |                     |

BLOW Strong thru out Bottom Choke Size 3/4 In.

Did Well Flow \_\_\_\_\_ Yes ☒ No \_\_\_\_\_ Recovery Total Ft. 2130 feet muddy salt water with show of oil

Reversed Out ☒ Yes \_\_\_\_\_ No \_\_\_\_\_ Mud Type Starch Viscosity 45 Weight 9.8 Water Loss 10.6 cc. Maximum Temp. 126 °F

Type Circ. Sub. Plug Did Tool Plug? No Jars: Size \_\_\_\_\_ Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? \_\_\_\_\_

Length Drill Pipe 2380 ft. I.D. Drill Pipe 3.2 in. Length Weight Pipe 825 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars \_\_\_\_\_ ft.

I. D. Drill Collars \_\_\_\_\_ in. Length D.S.T. Tool 48 ft.

Remarks \_\_\_\_\_



# WESTERN TESTING CO., INC.

## Pressure Data

Date 2-25-71 Test Ticket No. 13763  
 Recorder No. 3659 Capacity 4000 Location 3851 Ft.  
 Clock No. 6899 Elevation 2214 Kelly Bushings Well Temperature 126 °F

| Point                          | Pressure    | Time Given | Time Computed |
|--------------------------------|-------------|------------|---------------|
| A Initial Hydrostatic Mud      | 2068 P.S.I. | 4:48 P.    | M             |
| B First Initial Flow Pressure  | 50 P.S.I.   | 4 Mins.    | 5 Mins.       |
| C First Final Flow Pressure    | 132 P.S.I.  | 30 Mins.   | 30 Mins.      |
| D Initial Closed-in Pressure   | 1242 P.S.I. | 60 Mins.   | 60 Mins.      |
| E Second Initial Flow Pressure | 156 P.S.I.  | 30 Mins.   | 30 Mins.      |
| F Second Final Flow Pressure   | 971 P.S.I.  |            |               |
| G Final Closed-in Pressure     | 1162 P.S.I. |            |               |
| H Final Hydrostatic Mud        | 2041 P.S.I. |            |               |

### PRESSURE BREAKDOWN

| First Flow Pressure      |        | Initial Shut-In           |        | Second Flow Pressure      |        | Final Shut-In             |        |
|--------------------------|--------|---------------------------|--------|---------------------------|--------|---------------------------|--------|
| Breakdown: <u>1</u> Inc. |        | Breakdown: <u>10</u> Inc. |        | Breakdown: <u>12</u> Inc. |        | Breakdown: <u>10</u> Inc. |        |
| of <u>5</u> mins. and a  |        | of <u>3</u> mins. and a   |        | of <u>5</u> mins. and a   |        | of <u>3</u> mins. and a   |        |
| final inc. of _____ Min. |        | final inc. of _____ Min.  |        | final inc. of _____ Min.  |        | final inc. of _____ Min.  |        |
| Point Mins.              | Press. | Point Minutes             | Press. | Point Minutes             | Press. | Point Minutes             | Press. |
| P 1 <u>0</u>             | 50     | <u>0</u>                  | 132    | <u>0</u>                  | 156    | <u>0</u>                  | 971    |
| P 2 <u>5</u>             | 132    | <u>3</u>                  | 1160   | <u>5</u>                  | 236    | <u>3</u>                  | 1160   |
| P 3 _____                |        | <u>6</u>                  | 1162   | <u>10</u>                 | 350    | <u>6</u>                  | 1160   |
| P 4 _____                |        | <u>9</u>                  | 1166   | <u>15</u>                 | 478    | <u>9</u>                  | 1160   |
| P 5 _____                |        | <u>12</u>                 | 1171   | <u>20</u>                 | 607    | <u>12</u>                 | 1160   |
| P 6 _____                |        | <u>15</u>                 | 1182   | <u>25</u>                 | 693    | <u>15</u>                 | 1160   |
| P 7 _____                |        | <u>18</u>                 | 1200   | <u>30</u>                 | 744    | <u>18</u>                 | 1161   |
| P 8 _____                |        | <u>21</u>                 | 1214   | <u>35</u>                 | 790    | <u>21</u>                 | 1161   |
| P 9 _____                |        | <u>24</u>                 | 1226   | <u>40</u>                 | 837    | <u>24</u>                 | 1162   |
| P10 _____                |        | <u>27</u>                 | 1234   | <u>45</u>                 | 876    | <u>27</u>                 | 1162   |
| P11 _____                |        | <u>30</u>                 | 1242   | <u>50</u>                 | 912    | <u>30</u>                 | 1162   |
| P12 _____                |        |                           |        | <u>55</u>                 | 946    |                           |        |
| P13 _____                |        |                           |        | <u>60</u>                 | 971    |                           |        |
| P14 _____                |        |                           |        |                           |        |                           |        |
| P15 _____                |        |                           |        |                           |        |                           |        |
| P16 _____                |        |                           |        |                           |        |                           |        |
| P17 _____                |        |                           |        |                           |        |                           |        |
| P18 _____                |        |                           |        |                           |        |                           |        |
| P19 _____                |        |                           |        |                           |        |                           |        |
| P20 _____                |        |                           |        |                           |        |                           |        |

# WESTERN TESTING CO. INC. Pressure Data

Date 2-25-71

Order No. 6899

Capacity 4000

2214 Kelly Bushings

13763

Test Item No.

3887

Location

128

Test Temperature

Time Given  
4:48 P.

Time  
5 min

Time  
30 min

Time  
60 min

Time  
30 min

Pressure

2068

P.S.I.

50

P.S.I.

132

P.S.I.

1242

P.S.I.

156

P.S.I.

971

P.S.I.

1162

P.S.I.

2047

P.S.I.

## PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 1

of 5 min and a

Final loc. of Min.

Point

Min.

P.S.I.

50

132

1162

1171

1182

1200

1214

1226

1234

1242

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

Initial Shut-In

Breakdown: 10

of 3 min and a

Final loc. of Min.

Point

Min.

P.S.I.

132

1160

1162

1166

1171

1182

1200

1214

1226

1234

1242

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

1247

Second Flow Pressure

Breakdown: 12

of 5 min and a

Final loc. of Min.

Point

Min.

P.S.I.

156

236

350

471

607

693

744

790

837

876

912

946

971

971

971

971

971

971

971

971

971

971

971

971

Third Flow Pressure

Breakdown: 10

of 3 min and a

Final loc. of Min.

Point

Min.

P.S.I.

0

3

6

9

12

15

18

21

24

27

30

30

30

30

30

30

30

30

30

30

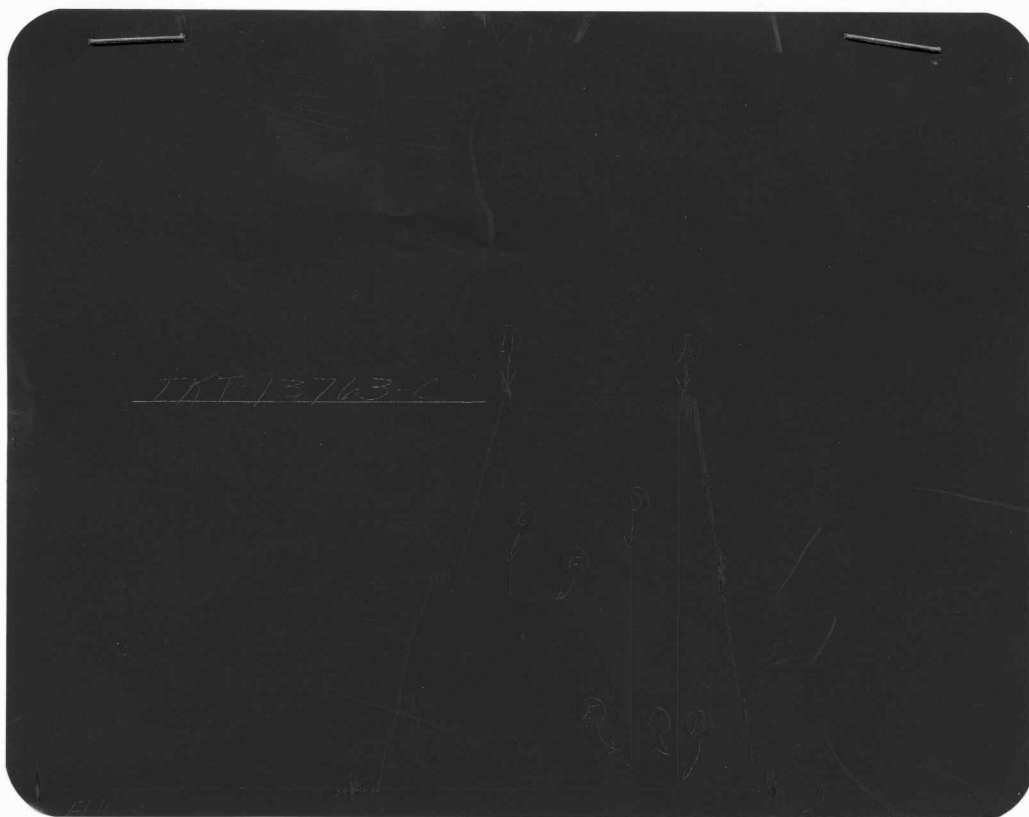
30

30

30

30

30



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE      |                | PSI |
|----------------------------------------|---------------|----------------|-----|
|                                        | Field Reading | Office Reading |     |
| (A) Initial Hydrostatic Mud .....      | 2070          | 2068           | PSI |
| (B) First Initial Flow Pressure .....  | 40            | 50             | PSI |
| (C) First Final Flow Pressure .....    | 130           | 132            | PSI |
| (D) Initial Closed-in Pressure .....   | 1230          | 1242           | PSI |
| (E) Second Initial Flow Pressure ..... | 150           | 156            | PSI |
| (F) Second Final Flow Pressure .....   | 970           | 971            | PSI |
| (G) Final Closed-in Pressure .....     | 1160          | 1162           | PSI |
| (H) Final Hydrostatic Mud .....        | 2030          | 2041           | PSI |